

Claims

1. A composition useful for the treatment of diseases or other conditions where free radicals and/or oxidative stress contribute to the pathogenesis comprising an effective amount of a mixture of indole-3-propionic acid and chitosan whereby the mixture is prepared by mixing indole-3-propionic acid and chitosan in water to form a solution and filtering and drying the solution.
2. A method for treating diseases or other conditions where free radicals and/or oxidative stress contribute to the pathogenesis, comprising: administering to a mammal in need of such treatment an amount of a composition of claim 1 effective for the treatment of said disease or condition.
3. The method according to claim 2, wherein the route of said administration is chosen from the group consisting of systemic, oral, topical, and inhalation.
4. The method according to claim 2, wherein the disease or other condition is selected from the group consisting of Parkinson's Disease, Lewy body dementia, amyotrophic lateral sclerosis, progressive supranuclear palsy, stroke, atherosclerosis, emphysema, and a cancer whose pathogenesis is contributed to by free radicals and/or oxidative stress.
5. The method according to claim 2, wherein the disease or other condition is selected from the group consisting of Alzheimer's disease, kidney disease, diabetes, asthma, retinopathy, nephropathy, and macular degeneration whose pathogenesis is contributed to by free radicals and/or oxidative stress.
6. A method of treating a fibrillogenic disease in a mammal comprising: adminis-

tering an amount of a composition of claim 1 effective to prevent or reverse fibrillogenesis in a mammal.

7. The method according to claim 6, wherein the fibrillogenic disease is a prion-related encephalopathy.
8. A method of decreasing oxidation in a biological sample comprising: contacting the biological sample with an effective amount of the composition of claim 1.
9. The method according to claim 8, wherein the biological sample is a cell.
10. A method for preventing diseases or other conditions where free radicals and/or oxidative stress contribute to the pathogenesis, comprising: administering to a mammal in need of such treatment an amount of a composition of claim 1 effective for the prevention of said disease or condition.
11. The method according to claim 10, wherein the route of said administration is chosen from the group consisting of systemic, oral, topical, and inhalation.
12. The method according to claim 10, wherein the disease or other condition is selected from the group consisting of Parkinson's Disease, Lewy body dementia, amyotrophic lateral sclerosis, progressive supranuclear palsy, stroke, atherosclerosis, emphysema, and a cancer whose pathogenesis is contributed to by free radicals and/or oxidative stress.
13. The method according to claim 10, wherein the disease or other condition is selected from the group consisting of Alzheimer's disease, kidney disease, diabetes, asthma, retinopathy, nephropathy, and macular degeneration whose pathogenesis is contrib

uted to by free radicals and/or oxidative stress.

14. The method according to claim 2, wherein the disease or other condition is aging of the skin.